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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/617,119	07/10/2003	Rudolf Weiss	WEISS, R ET AL 1	3441

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EXAMINER

MACARTHUR, VICTOR L

ART UNIT	PAPER NUMBER
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3679

DATE MAILED: 04/26/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/617,119	Applicant(s) WEISS ET AL.	
	Examiner Victor MacArthur	Art Unit 3679	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>7/10/2003</u> . | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Objections

Claim 1-6 are objected to because of the following informalities:

- The claims are generally narrative, failing to conform with current U.S. practice.

They appear to be a literal translation into English from a foreign document and are replete with grammatical and idiomatic errors, with limitations lacking proper antecedent basis.

Appropriate correction is required. For purposes of examining the instant invention, the examiner has assumed these corrections have been made.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 and 4-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Haaser U.S. Patent 4944379.

Claim 1. Haaser discloses (fig.1) a shaft-hub connection having an attachment flange (11) and a clamping element, particularly a clamping ring (12), attachable thereto, by means of which a shaft end assigned to the attachment flange **may be** (but is not necessarily) friction-locked to the attachment flange with an interposed bushing (14) which receives a slip torque

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(from shaft to bushing), characterized in that the bushing is designed in multiple parts (left 14 and right 14) in an axial direction.

Claim 4 (as depended upon by claim 5). Haaser discloses that a hub-sleeve element (32), which is under a clamping effect (via 24) of the clamping element, is assigned (in that it surrounds the shaft) to the shaft end.

Claim 5. Haaser discloses that the hub-sleeve element is implemented in one piece with the attachment flange and extends essentially over the length of the bushing (col3, ll.8-15).

Claim 4 (as depended upon by claim 6). Haaser discloses that a hub-sleeve element (32 and 16), which is under a clamping effect (via 24 and 15) of the clamping element, is assigned (in that it surrounds the shaft) to the shaft end.

Claim 6. Haaser discloses that the hub-sleeve element is implemented in multiple parts, one part being implemented in one piece (32) with the attachment flange and the other part (16) being assigned as a sleeve-shaped hub core to the shaft end.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Haaser U.S. Patent 4944379 in view of Chen U.S. Pub.20020160888.

Claim 2. Haaser does not disclose what material the bushings are made from. Chen teaches (p.5, para.59) that bronze is a suitable material to make bushings from in that it has a low coefficient of friction. Therefore, it would have been obvious to one with ordinary skill in that art at the time the invention was made to make the Haaser bushings from bronze, as taught by Chen, since bronze has a low coefficient of friction making it suitable for the construction of bushings.

Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Haaser U.S. Patent 4944379 in view of Whitehurst U.S. Patent 5328009.

Claim 3. Haaser does not disclose a sliding film. Whitehurst teaches (col.1, ll.20-25 and col.3, ll.50-57) that a sliding film is beneficial for preventing corrosion, excessive wear and extrusion in bushings. Therefore, it would have been obvious to one with ordinary skill in the art at the time the invention was made to modify the Haaser bushing, as taught by Whitehurst, to have a sliding film on the inner and the outer sliding surfaces, for the purpose of preventing corrosion, excessive wear and extrusion of the bushings.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Victor MacArthur whose telephone number is (703) 305-5701. The examiner can normally be reached on 8:30am - 5:00pm.

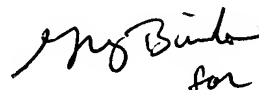
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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynne Browne can be reached on (703) 308-1159. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1113.



VLM
April 19, 2004



Lynne H. Browne
Supervisory Patent Examiner
Technology Center 3600